

OSA - 2871-65

1 July 1965

25X1A

To:

Subject: RED KNOB MODIFICATIONS

Dear Harry,

The accompanying photos illustrate the "Red Knob" modifications that we are making in an effort to eliminate the inadvertent pulling of the "Red Knob".

We are adjusting the retention to eight to twelve pounds vs. the previous six to ten pounds and sealing the screws with "Locktite".

The swivel "A" in Photo #1 has been removed and the housing and fitting hand sewn as in Photo #2. We used five turns of waxed five cord cotton at "A" and two turns in each of the two corrugations at "B" in Photo #2. This was done to get the "Red Knob" to hug the pilot closer. It stood out too far before and was vulnerable to catching on the arms.

After the changes were made, we checked the extraction forces at different angles of pull as shown in Photos #3, #4, #5 and #6. Extraction forces were, nine, ten, twelve and nine pounds respectively.

We believe that these two changes, (1) increasing the force and (2) decreasing the vulnerability, will correct the condition.

A copy of this note has been sent to

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Best regards,

Ed

meb

















